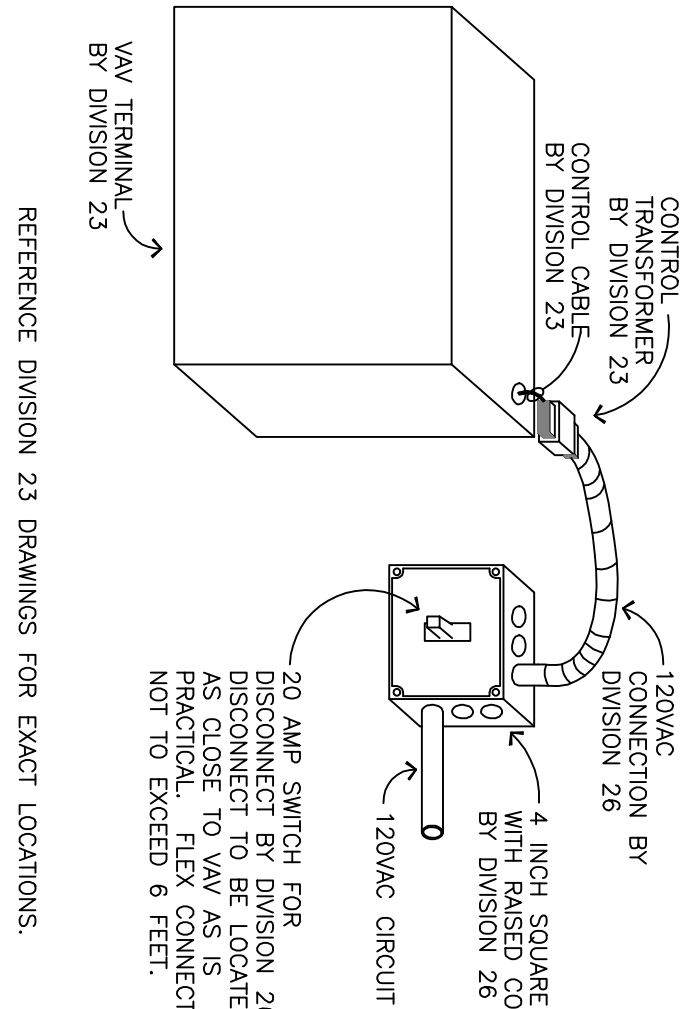
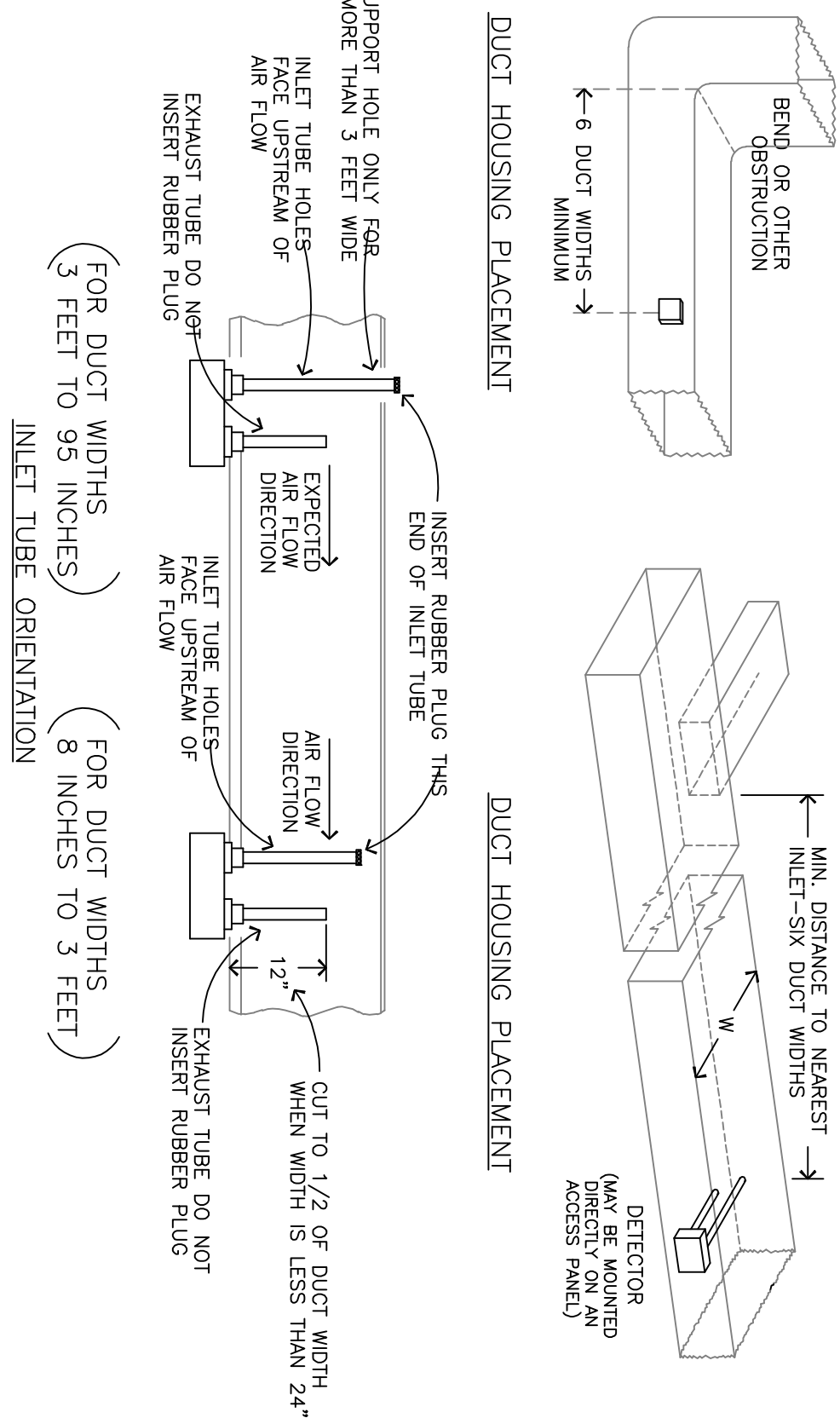


ONLY WORK IN PROJECT IS FOR THOSE CIRCUITS SHOW
IN BOLD. NON-BOLD REPRESENTS EXISTING CIRCUITS.



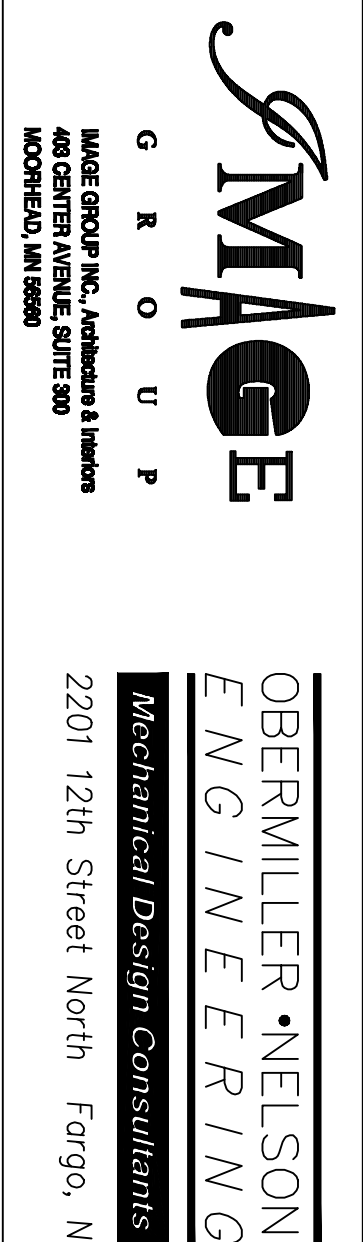
3 VAV BOX CONTROL CIRCUIT DETAIL



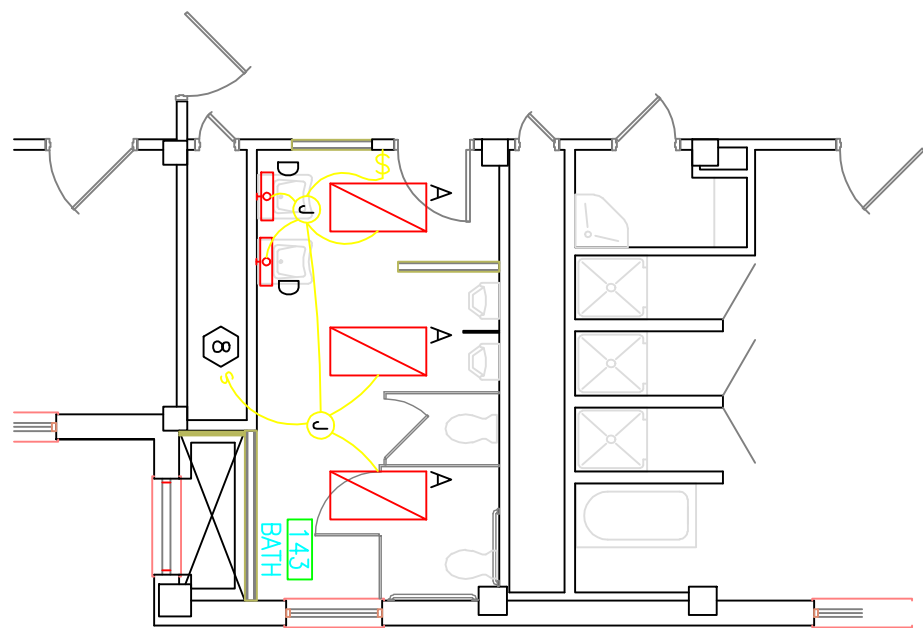
- NOTES:
1. PROVIDE DUCT SMOKE DETECTORS FOR EACH AIR HANDLING UNIT (AHU). MAIN SUPPLY BRANCH AND IN THE RETURN DUCT. AIR SUPPLY SIDE DETECTORS SHALL BE LOCATED ON DOWNSTREAM SIDE OF FILTERS. ALL DETECTOR LOCATIONS SHALL BE MINIMUM SIX DUCT WIDTHS AWAY FROM ANY INLET, TURN, OR ANY OTHER TURBULENCE CAUSING OBSTRUCTION.
2. CONTRACTOR SHALL PROVIDE AND INSTALL A REMOTE INDICATOR FOR EACH CONCEALED DUCT SMOKE DETECTOR. INDICATOR SHALL BE MOUNTED IN A CLEARLY VISIBLE LOCATION AND SHALL BE READILY ACCESSIBLE FOR MAINTENANCE AND TESTING. PROTECT CONDUIT OR WIREHOLD AS REQUIRED. (SEE FIRE ALARM NOTES). VERIFY LOCATION IN FIELD.

4 TYPICAL DUCT SMOKE DETECTOR DETAIL

1	REVISED BASEMENT PLAN	12-01-88
No	REVISION	DATE



2 FIRST FLOOR REMODEL - BATH 143
E3 1/8"-1"-0"



5. ALL PA SPEAKERS SHOWN ARE EXISTING REINSTALLED IN THE NEW CEILING GRID. CONNECT ALL PA SPEAKERS TO PAGING ZONE ON THIS FLOOR. PROVIDE CONNECTIONS, ADJUST TRANSFORMER TAPS AND BALANCE PAGING ZONE FOR PROPER PERFORMANCE. ALL SPEAKERS WILL BE CIRCUITED THROUGH THE SOUND SYSTEM, REFERENCE SPECIFICATION SECTION 275117 FOR ADDITIONAL REQUIREMENTS.

① PROVIDE 20VAC, 20A NORMAL POWER BRANCH CIRCUIT FROM PANELBOARD NOTED USING 2#12 #12G.3/4"C. NOTE THAT BOTH PANELBOARD 29LB-3 AND 29LB-1B (FORMERLY NAMED 29LB-2) ARE CURRENTLY BEING REPLACED OUTSIDE OF THIS CONTRACT.

- ④ PROVIDE 120VAC, 20A EMERGENCY EQUIPMENT BRANCH CIRCUIT FROM NEAREST EMERGENCY EQUIPMENT BRANCH PANELBOARD ECB-1. PROVIDE 2#12, #12G, 3/4" C. AND 20A/1P MCCB.

- ⑦ PROVIDE (2) RUNS OF 4#4/0, 2-1/2" C FROM 29ACCH-1 DISCONNECT TO EXISTING BUILDING 29 TRANSFORMER SECONDARY BUS. MINIMUM 24" BELOW GRADE.

- ⑧ CONNECT TO NEAREST LEVEL 1 NORMAL POWER LIGHTING CIRCUIT.


- ⑫ PROVIDE SERVICE ENTRANCE RATED 600V, 3P FUSED PAD AND GALVANIZED UNFINISHED MOUNTING RACK FOR DISCONNECT, NEMA 3R, 600A FUSES, PROVIDE CONDUCTORS DISCONNECTED, GALVANIZED ROD STEEL CONDUIT FOR DISCONNECT, PROVIDE GROUNDING BARS, 1/2" CHILLER, PROVIDE GROUNDING CABLE BENEATH DISCONNECT PAD CONSISTING OF (2) CU GROUND RODS (WITH PROPER SPACING) CONNECTED BY 3/0 BARE CU WIRE (PROVIDE ALL GROUNDING LUG VIA 3/0 BARE CU WIRE, PROVIDE ALL GROUNDING LUGS ON OUTSIDE OF DISCONNECT WHICH REARS LABEL NO. 29ACCH-1 FED DIRECTLY FROM BUILDING 29 CHILLERFRAME.

- ⑪ PROVIDE (2) RUNS OF 3#4/0, #1G, 2-1/29ACCH-1 DISCONNECT TO CHILLER LUGS

APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED INTERSECTION CONTROL BOARD	DATE
APPROVED SERVICE LINE DIRECTOR	DATE	APPROVED PROJECT SAFETY	DATE
APPROVED PROJECT SECTION MANAGER	DATE	APPROVED CHIEF OF POLICE	DATE
APPROVED DIRECTOR PMS	DATE	APPROVED SAFETY MANAGER	DATE

DRAWING TITLE	
REMODEL PLAN	
APPROVED BY: CHIEF OF STAFF	DATE:
APPROVED BY: MEDICAL CENTER DIRECTOR	DATE:

PROJECT TITLE		DATE	
BUILDING 29		12/28/2008	
BASEMENT HVAC		1/28 = 1 yr	
PROJECT NO.		JOB TITLE	
100-0483		E3/ANALYST	
DESIGNED BY		DRAWN BY	
E29		LMM	
CHECKED BY		DATE	
CNS		12/28/12	
DESIGNED BY		DATE	
E3		12/28/12	



VAMC
VA MEDICAL CENTER
ANN ARBOR MI